

# Recombinant Human MAP4K2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP4K2-452H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	MAP4K2 MS Standard C13 and N15-labeled recombinant protein (NP_004570) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1. Alternative splicing results in multiple transcript variants.
<b>Molecular Mass</b>	91.4 kDa
<b>AA Sequence</b>	MALLRDVSLQDPRDRFELLQRVGAGTYGDVYKARDT VTSELA AVKIVKLDPGDDISS LQQEITILRECRHPNVVAYIGSYLRNDRLWICMEFCGGGSLQEIYHATGPLEERQIAY VCREALKGLHHLHSQGKIHRDIKANLLLTLQGDV KLADFGVSGELTASVAKRRSFIG TPYWMAPEVA AVERKGGYNELCDVWALGITAIELGELQPPLFHLHPMRALMLMSKS SFQPPKLRDKTRWTQNFHFLKLALTKNPKKRPTAEKLLQHPFTTQQLPRALLTQLL DKASDPHLGTPSPEDCELETYDMFPDTIHSRGQHGAERTPSEIQFHQVKFGAPRR

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KETDPLNEPWEEEWTLGKEELSGSLLQSVQEALEERSLTIRSASEFQELDSPDDTM  
 GTIKRAPFLGPLPTDPPAEEPLSSPPGTLPPPPSGPNSSPLLPTAWATMKQREDPER  
 SSCHGLPPTPKVHMGACFSKVFNGCPLRIHAAVTWIHPVTRDQFLVVGAEEGIYTLN  
 LHELHEDTLEKLISHRCSWLYCVNNVLLSLSGKSTHIWAHDLPLGLFEQRRLLQQQVPL  
 SIPTNRLTQRIIPRRFALSTKIPDTKGCLQCRVVRNPYTGATFLLAALPTSLLLLQWYE  
 PLQKFLLLKNFSSPLPSPAGMLEPLVLDGKELPQVCVGAEGPEGPGCRVLFHVLPLE  
 AGLTPDILIPPEGIPGSAQQVIQVDRDITLVSFERCVRIVNMQGEPTATLAPELTFDFPI  
 ETVVCLQDSVLAFWSHGMQGRSLDTNEVTQEITDETRIFRVLGAHRDIILESIPTDNP  
 EAHSNLYILTGHQSTYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** MAP4K2 mitogen-activated protein kinase kinase kinase kinase 2 [ Homo sapiens (human) ]

**Official Symbol** MAP4K2

**Synonyms** MAP4K2; mitogen-activated protein kinase kinase kinase kinase 2; RAB8IP; BL44; GCK; MEKKK 2; GC kinase; MEK kinase kinase 2; germinal center kinase; Rab8 interacting protein; rab8-interacting protein; MAPK/ERK kinase kinase kinase 2;

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germinal centre kinase (GC kinase); B lymphocyte serine/threonine protein kinase; b lymphocyte serine/threonine-protein kinase;

**Gene ID** 5871

**mRNA Refseq** NM\_004579

**Protein Refseq** NP\_004570

**MIM** 603166

**UniProt ID** Q12851

**SDS-PAGE**



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